

10/766,711

**IN THE TITLE**

Please amend the title as to read follows:

CHLAMYDIA PROTEIN, GENE SEQUENCE AND USES THEREOF

**IN THE SPECIFICATION:**

Please amend the specification as follows:

On page 1, line 3, insert this paragraph before, "1. FIELD OF THE INVENTION":

This present application is a Continuation of Application Serial No. 08/942,596 filed on October 2, 1997, which is incorporated by reference in its entirety.

1C  
2/23/09  
On page 17, lines ~~8-13~~ <sup>11-13</sup>, amend to read:

Figure 2. Consensus Nucleic Acid Sequence encoding the open reading frame of the HMW protein from *C. trachomatis* LGV L<sub>2</sub> (SEQ ID NO.: 1).

Figure 3. Deduced Amino Acid Sequence of the HMW protein from the PCR open reading frame from *C. trachomatis* LGV L<sub>2</sub> (SEQ ID NO.: 2).

On page 17, line 34, through page 18, line 8, amend to read:

Figure 6. Predicted amino acid sequences, of HMW protein for *C. trachomatis* L<sub>2</sub>, B, and F. The *C. trachomatis* L<sub>2</sub> sequence (SEQ ID NO.: 43) is given in the top line and begins with the first residue of the mature protein, E (see amino acid residues 29-1012 of SEQ ID NO.: 2). Potential eucaryotic N-glycosylation sequences are underlined. A hydrophobic helical region flanked by proline rich segments and of suitable length to span the lipid bilayer is underlined and enclosed in brackets. Amino acid differences identified in the B (see amino acid residues 29-1013 of SEQ ID NO.: 15) and F (see amino acid residues 29-1013 of SEQ ID NO.: 16) serovars are designated below the L<sub>2</sub> HMWP protein sequence.

On page 38, at lines 25-26, amend to read as follows:



10/766,711

- 3 -

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Appl. No. 10/766,711

### *Amendments to the Specification*

On page 38, lines 5-13 of the specification as filed, please replace the paragraph with the following:

Certain plasmids that contain portions of the gene having the open reading frame of the gene encoding the HMW protein of *Chlamydia* that are described and referred to herein have been deposited with the American Type Culture Collection (ATCC) located at ~~12301 Parklawn Drive, Rockville, Md. 20852,~~ 10801 University Boulevard, Manassas, VA 20110-2209, U.S.A., pursuant to the Budapest Treaty and pursuant to 37 C.F.R. 1.808 and prior to the filing of this application. The identifications of the respective portions of the genes present in these plasmids are shown below.

LC  
2/03/09  
On page 38, lines <sup>25-26</sup>~~25-27~~ of the specification as filed, please replace the paragraph with the following:

<u>Plasmid</u>	<u>Microorganisms</u>	<u>ATCC Accession No.</u>	<u>Date Deposited</u>
<u>E.coli BL21</u>	<u>pAH 342</u>	<u>ATCC 985538 98538</u>	<u>September 8, 1997</u>
<u>E.coli TOP10</u>	<u>(pJJ36-J)</u>	<u>ATCC PTA-3719</u>	<u>September 20, 2001</u>

On page 60, lines 20-35 of the specification as filed, please replace the paragraph with the following:

Samples were loaded onto Tris/glycine preparative acrylamide gels (4% stacking gel, 12% resolving gel, 30:0.8 acrylamide:bis solution, 3 mm thickness). A prestained molecular weight standard (SeeBlue, Novex) was run in parallel with the rHMW protein

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